Abstract of the Disclosure

An apparatus for compressing and transmitting both
video and graphics portions of an interactive program guide
(IPG). For an IPG that comprises a graphics portion and at
5 least one video portion having audio associated with the
video portion, the apparatus separately encodes the video
and audio portion and the graphics portion. The video
portion is slice-base encoded using a predictive encoder
that produces a bitstream comprising intra-coded picture
10 slices and predictive-coded picture slices. The graphics
portion is separately slice-base encoded to produce encoded
slices of the graphics image. To transmit an IPG, a
transport stream is created containing the intra-coded and
predicted picture streams as well as the encoded slices
15 that comprise a graphics image that is to be included in
the IPG. The receiver reassembles the components of the
IPG into a comprehensive IPG.